180° electrical. FIG. 3 illustrates the electrical supplies connected to stator sections 1 and 2 and mutually phase shifted 180° electrical. Further, the stator sections 2 and 3 are separated by a small air gap 10 so as to reduce the mutual influence of the magnetic fields in the two stator sections 2 and 3.--

IN THE CLAIMS:

Please amend claims 1 and 11 as follows:

1. (Amended) A stator for an electrical induction machine, comprising an even number n of stator sections (2, 3) at different axial positions, each section having a plurality of circumferentially separated, radially extending teeth (6, 7) and each tooth having a single winding,

wherein the stator sections are mutually phase shifted by substantially 360°/n electrical ± an angle related to skew,

and wherein each of the stator sections is arranged to receive electricity from an electrical supply such that a first set of n/2 of the stator sections will receive electricity that is shifted by 180° electrical relative to electricity received by a second set of n/2 of the stator sections.

11. (Amended) An electrical induction machine having a rotor and a stator, wherein the stator comprises an even number n of stator sections (2, 3) at different axial positions, each section having a plurality of circumferentially separated, radially extending teeth (6, 7) and each tooth having a single winding, wherein the stator sections are